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(54) SOLID ELECTROLYTIC SECONDARY BATTERY

(57)Abstract:

PURPOSE: To enhance charge-discharge cycle characteristic by using a polymer solid electrolyte or polymer gelled electrolyte difficult to react with a negative electrode, and making the internal resistance difficult to rise even by the repeat of charge-discharge cycle.

CONSTITUTION: This solid electrolytic secondary battery has a positive electrode, a negative electrode using lithium as an active material, and a polymer solid electrolyte consisting of a composite of an electrolyte salt with a polymer, or a polymer gelled electrolyte obtained by impregnating the polymer with an electrolyte consisting of the electrolyte salt and an aprotic solvent. As the polymer is used a polyamide, polyimidazole, polyimide, polyoxazole, polytetrafluoroethylene, polymelamineformamide, polycarbonate or polypropylene.

LEGAL STATUS

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